

Peak District National Park

Forecast valid from 06:00 on Friday 06 Jan 2023 until 23:59 on Saturday 07 Jan 2023

Forecast Issued on Friday 06 Jan 2023 at 03:36

Confidence: An unsettled few days, with strong winds and frontal rain or showers. Any wintry conditions only expected to affect the highest tops but often a significant windchill. Uncertainties around timings of frontal rain and amount of showers.

Headline for Friday 06 Jan 2023: Windy but some brighter spells, cloudy with rain later in the day.

Mountain weather hazards on Friday 06 Jan 2023

Blizzards

No Likelihood

Gales

Low Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Low Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
					
Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Light rain
Precipitation probability					
10%	20%	20%	20%	20%	50%

Forecast for Friday 06 Jan 2023

Weather: Cloud thinning and breaking a little during the morning with a few bright or sunny spells, especially towards eastern areas with the west seeing scattered cloud. A few afternoon showers are possible and clouding over later with some rain possible during the evening. Windy throughout so feeling cold with a slight wind chill.

Chance of cloud-free hill tops above 600m: 70% in the west increasing to 80% in the east then reducing to 40% later as evening rain spreads in.

Low cloud and visibility: Patches or scattered low cloud above 500m early in the day especially towards western areas but plenty of cloud breaks further east with clear tops. Visibility will generally be good below any cloud with views possible but tending to turn a bit hazier as it gets cloudier later. Cloud thickening around the tops later in the afternoon and evening as rain approaches.

Forecast for Friday 06 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)				Wind Direction (blowing from)		
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	30/39 SW	31/41 SW	27/36 SW	23/31 SW	23/33 S	28/39 S	34/46 S
300	21/30 SW	22/33 SW	20/30 SW	17/26 S	17/27 S	20/31 S	23/35 S
Valley	11/28 SW	12/31 SW	13/29 SW	10/24 S	11/25 S	13/30 S	16/35 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-5	2/-5	4/-2	5/-1	5/-1	6/1	8/2
300	5/-1	5/-1	6/2	7/3	7/3	9/5	10/6
Valley	5/1	5/1	7/3	8/5	7/4	9/6	10/7
Freezing Level*	900m	1000m	1200m	1200m	1400m	1900m	1900m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

A windy day adding to the windchill in the morning with freezing level just above the highest summits, however milder air arriving by evening time.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Fri 06 Jan 2023	13.4mm	14.2mm	28.2mm

Forecast for Saturday 07 Jan 2023

Weather: Rain overnight will turn heavier for a time in the morning before clearing east in the afternoon. It may stay rather cloudy for a time after that but should turn brighter by mid to late afternoon. Although a few blustery showers may affect the area too.

Maximum wind: South 25 mph with gusts 35-40 mph decreasing later.

Chance of cloud-free hill tops above 600m: 30% improving to 70% by early afternoon.

Low cloud and visibility: Low cloud quite extensive to start the day with broken layers above 400m, in addition visibility at lower levels will be moderate or poor. Cloud gradually lifting and breaking by early afternoon with mostly clear tops for a time and good visibility by mid to late afternoon, although patchy low cloud may linger around westernmost hill tops. Cloud lowering in any showers, becoming scattered from 600m for a time and visibility becoming poor.

Temperature: **Valleys:** Plus 10 falling to 7 Celsius.
At 600m: Plus 7 falling to 3 Celsius.
Freezing level: Above the summits, lowering to 800m later.